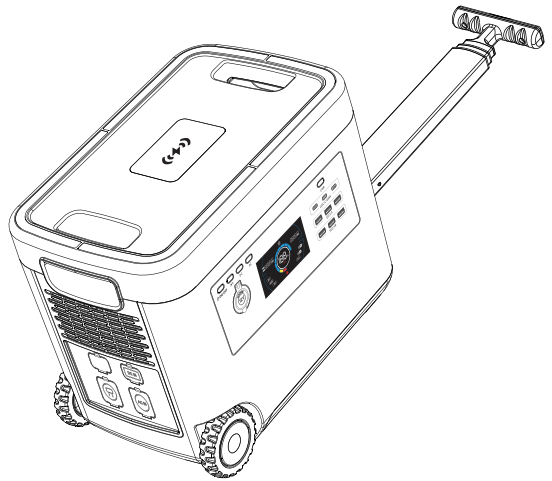


INSTRUCTION MANUAL

ENERGY STORAGE POWER SUPPLY

TECHNICAL DATA

Model	VT-2002
Battery capacity	2016Wh
Net Weight	25Kg
Ac Rated Output	2000W
AC Input	1600W
Solar Charge	DC: 12-60V Max 700W solar panel
AC Output	230V, Pure Sine Wave 2000W, Peak 4000W
Telescoping handle	1.2m
Auxiliary Charge Output	13.5V 9A (Max 100W)
Dimension	470x367x292mm
USB Output Port	5v 2.4A
QC Output	5V/9V/12V/18W
USB-C Output	5V 3A/9V 3A/12V 3A /15V 3A/ 20V3.25A PD65W
Wireless Charging Output	15W
Cycle Life	Cycled > 2000 LiFePO4 Battery



INTRODUCTION

Thank you for selecting and buying V-TAC Product. V-TAC will serve you the best. Please read these instructions carefully & keep this user manual handy for future reference. If you have any another query, please contact our dealer or local vendor from whom you have purchased the product. They are trained and ready to serve you at the best.



Multi-Language Manual QR CODE

Please scan the QR code to access the manual in multiple languages.

WARNING

1. Please make sure to turn off the power before starting the installation.
2. Installation must be performed by a qualified electrician.
3. Please read all instructions before using this product.
4. In order to reduce the risk, close supervision is required when using this product near children.
5. The use of accessories recommended or sold by non professional product manufacturers may lead to the risk of electric shock.
6. When the product is not in use, please pull the power plug out of the product socket.
7. It is forbidden to dismantle the product, which may lead to unpredictable risks such as fire, explosion or electric shock.
8. Do not use damaged wires or plugs or damaged output cables to use the product, which may cause electric shock.

9. Please charge the product in a well ventilated place. Do not restrict the ventilation of the product in any way.
10. Please put the product in a well ventilated and dry place to avoid the risk of electric shock due to water intrusion.
11. It is forbidden to expose the product to fire or temperature higher than 130°C, which may lead to fire, explosion and other safety accidents.
12. It is forbidden to use or place the product under high temperature (direct hot sunshine or hot car interior), otherwise the internal battery may overheat, catch fire or function failure, shorten the service life and other risks.
13. Please charge the product every three months to prevent the battery from running out.



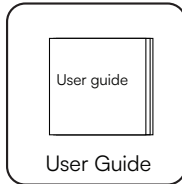
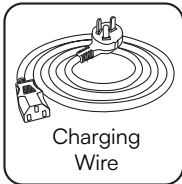
This marking indicates that this product should not be disposed of with other household wastes.



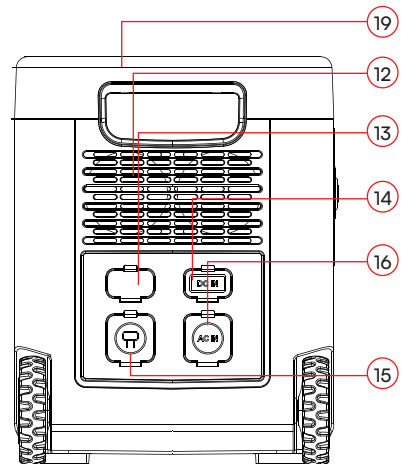
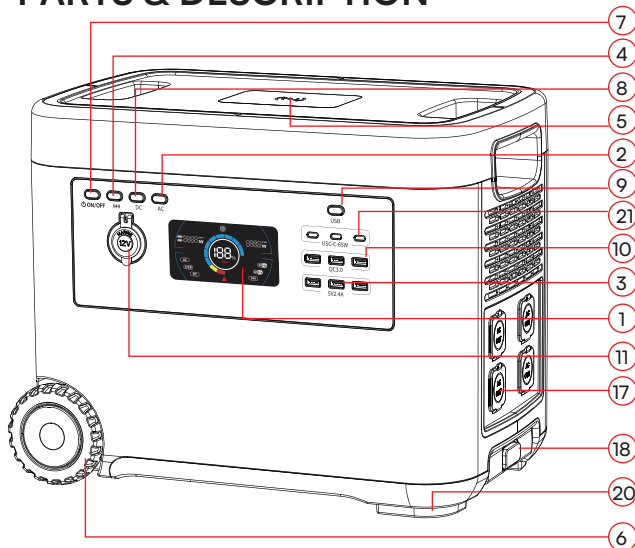
Caution, risk of electric shock.



PACKAGING LIST



PARTS & DESCRIPTION



- | | |
|--|--|
| ① LCD Screen | ⑫ Cooling outlet |
| ② AC Switch | ⑬ Wire control interface |
| ③ 5V/2.4A Quick Charge | ⑭ DC charging
It can be charged by solar energy |
| ④ Wireless charging Switch | ⑮ Safety Switch |
| ⑤ 15W - Wireless charging | ⑯ AC fast charging |
| ⑥ Rollable wheels | ⑰ 230V output |
| ⑦ Power Switch (click on start,
press 3 seconds to shut down) | ⑱ Telescoping handle |
| ⑧ DC Switch | ⑲ Portable Handle |
| ⑨ USB Output Switch | ⑳ Cushion Foot Pad |
| ⑩ QC3.0 Output | ㉑ PD65W-Output |
| ⑪ Auxiliary Charge Output | |

PRECAUTIONS FOR USE

- ⑦ Press the button, the screen lights up, about 60 seconds after the screen backlight automatically closed.
- When ②④⑧⑨ the button is pressed, the output port is turned on to power the device.
- When the power output port is not used, press the 2,4,8,9 button to turn it off to save power.
- Low temperature may affect the battery capacity of the product, the product can be charged in the temperature range of 0 ~ 40 °C, in the temperature range of -10 ~ 40°C for equipment use.
- The first use of the product is recommended to be fully charged, to avoid the lack of power to your use of inconvenience. After the device is fully charged, the fan will continue to work for about 2 minutes after the charging power cord is unplugged, which is used for cooling the device (the specific time may vary with the scene temperature) , pay attention to prevent dust particles or foreign matter from being inhaled into the equipment, otherwise it will easily lead to internal equipment damage.
- After the discharge is terminated, the device fan will continue to work to reduce the device temperature to a reasonable temperature for about 30 minutes (the time may vary with the scene temperature) . At the same time charge and discharge, current more than 15A or equipment temperature is too high, will trigger automatic power-off protection.
- During the charging and discharging process, please connect the device with the charging and discharging device, then turn on the charging and discharging. Otherwise, there might be a spark.

CHARGING MODE

Before using or storing the product, please use the charger to charge the product. When charging, the indicator light is blue. The LED screen will display the current charging ratio and charging power. When the LED screen shows 100% power, it means full charge. The charging process is about 2 hours. The current power can be viewed through the LED screen.



Standard charger,
about 2 hours



Car charger
about 2 hours



700W solar photovoltaic panel,
about 5 hours.

(the charging time is determined by the intensity of sunlight).
Support solar photovoltaic panel MPPT function charging (12-60V)

The above data are from the laboratory. The test data may vary due to the use environment, use method and other factors, and the charging time will be different.

FAQS

1. Can the product be brought on the plane?

No, because this product is a lithium battery product.

According to the

international air transport standard regulations, carrying lithium battery products can not exceed 100Wh.

2. If the power of the equipment is within the rated output power range of the product, it cannot be used?

a. The power consumption of the product is less than 20%;

it needs to be supplemented.

b. When some equipments start, the products which are

larger than the peak value of rated power cannot be used;

3. Why is there sound when using it?

The product adopts air cooling system, and the built-in fan is better to help product heat dissipation. It is normal to have slight noise when using.

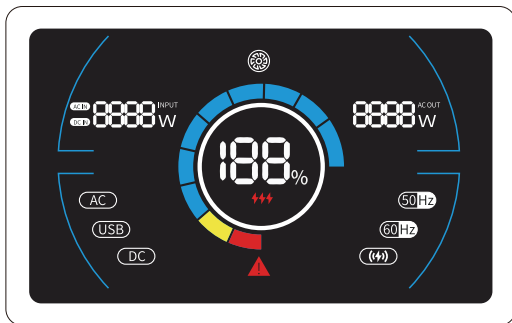
4. Is the charger heating normal when charging?

Charging charger heating is a normal phenomenon, standard charger in line with national safety standards, you can rest assured to use!

TROUBLESHOOTING

FAULT PHENOMENON	TROUBLESHOOTING	SOLUTIONS
The product cannot be charged	1. The charger and product are not in good contact with the mains power supply (the charging indicator is not on at this time)	Check whether the charger and product are in good contact with the main power
	2. The contact is good, but the charging indicator is not on	If the charger is broken, please contact the customer service
	3. If the charging indicator light is on, it still can't be charged	If the product is broken, please contact the customer service
The product has no output	1. The connection line between the equipment and the product is not plugged in properly	Make the equipment well connected with the product
	2. The output port switch is not turned on	Turn on the port output switch, and the indicator light will be on
	3. Low power consumption	Charging the product
	4. There is no output after eliminating according to 1.2.3 above	If the product is broken, contact the customer service for handling
With device output interrupt	1. The nominal power or instantaneous starting power of the equipment used is greater than the power of the product	Select higher power energy storage products
	2. If the equipment used is short circuit, an alarm symbol will appear on the display screen, an alarm sound will be send and the product will automatically turn off the output within 15 seconds	It is not a product problem. It is recommended to replace the equipment.
	3. The output will still be turned off after removing according to the above 1.2 point	If the product is broken, contact the after-sales department for handling

PARTS & DESCRIPTION



ICONS AND DESCRIPTION

- Equipment failure, please restart
- AC Output Power
- Output Power (AC/DC)
- Output Frequency 50Hz
- Output Frequency 60Hz
- AC working indicator
- USB working indicator
- DC working indicator
- Wireless charging working
- Cooling Fan working

V-TAC

Meaningful Innovation.

Portable Power Station 2000W



V-TAC.EU | VTACEXPORTS.COM

FC CE   RoHS 

LISTING DETAILS

Model:	VT-2002
SKU Code:	T1445
EAN Code:	3800157692250

MASTER BOX PACKAGING

Qty:	1pc/box
Net Weight :	25KG
Product Size :	470*367*292 mm

GENERAL DATA

Battery Pack :	2016Wh
Ac Rated Output :	2000W
AC Input :	1600W
Solar Charge :	DC12V-60V/ Max 400W solar panel
AC Output:	Pure Sine Wave 2200W, Max 4000W
Car Charge Output :	13.5V 9A (max 100W)
USB-A Output :	5V 2.4A
USB-A Output:	5V/9V/12V/18W
USB-C Output :	5V 3A/9V 3A/12V 3A/15V 3A/20V3.25A PD65W
Wireless Charging Output:	15W
Cycle Life :	Cycled > 2000 LiFePO4 Battery

The product has built-in high-efficiency 32700 lithium iron phosphate cell, safe battery BMS management system and high-efficiency energy conversion circuit, which can be placed indoors or in cars. And can be used as home, office, outdoor emergency backup power supply. Charging can choose mains electricity or solar power to charge the product, without external adapter, the product is directly connected to the mains power supply, charging capacity can reach 98% in 1.6 hours, to achieve a real sense of fast charging. The product system can provide rated 240V 2500W AC output, and is equipped with 5V, 12V, 15V, 20V DC output and 15W wireless charging output to meet the requirements of different scenarios. Meanwhile, advanced power management system is configured to ensure long battery life and safety.



Intelligent monitoring

Real-time monitoring of product performance.



Short-circuit protection

Auto-cut circuit when short occurs.



Overcharge protection

Prevent battery from overcharging and auto-stop when fully charged.



Overpower protection

Product has dynamic power protection which will auto-stop output when overpower occurs.



Battery balance system

Extend the service life of batteries and ensure the consistency of batteries.



Temperature protection

Guarantee battery working at safe temperature.



Over-current protection

Auto-cut circuit when overcurrent occurs.



Over-voltage protection

Protect product from high or low voltage harm to ensure product and facilities safe.



High efficient solar charger

MPPT technology for efficient charging

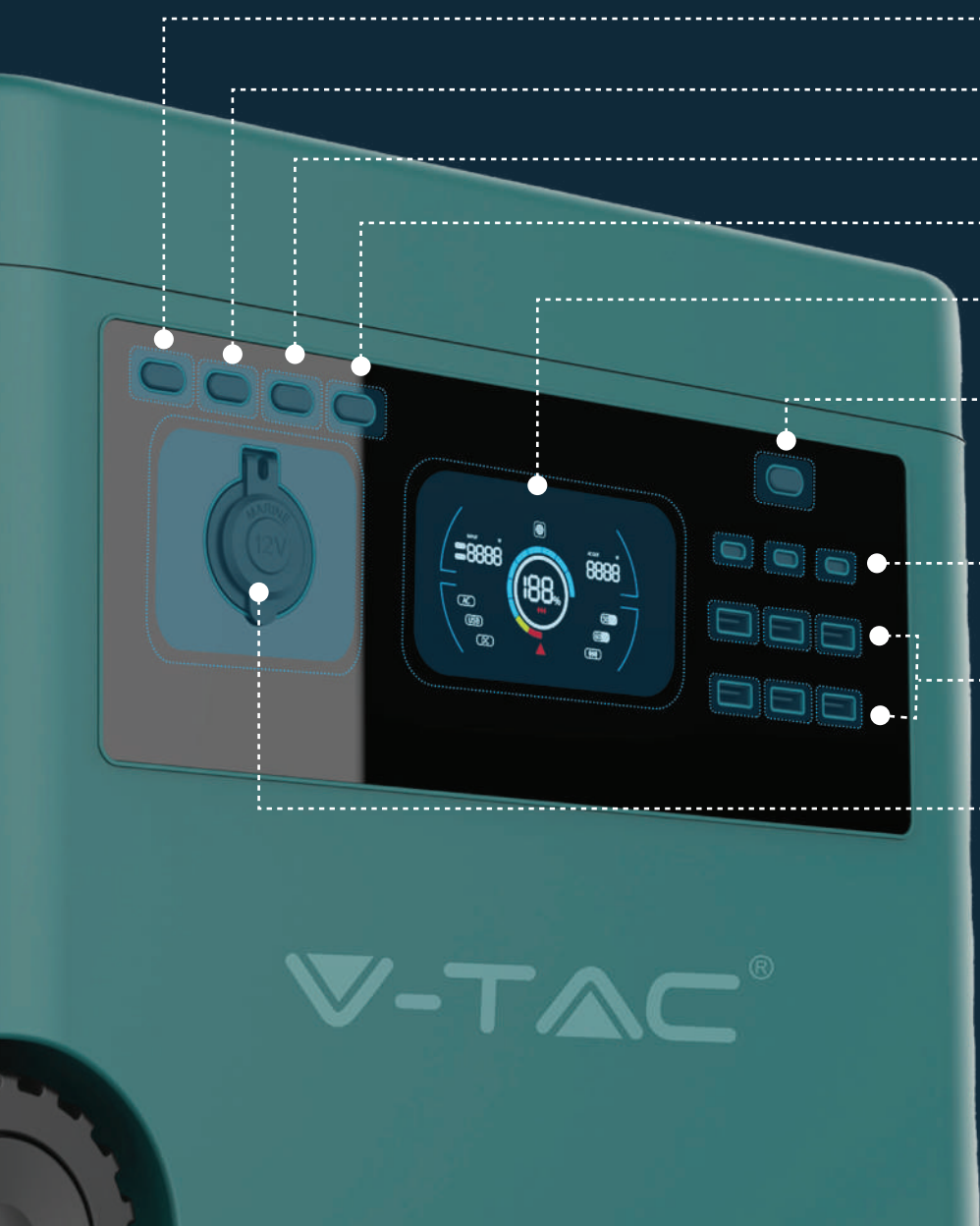
Enhanced battery life with Intelligent BMS

Advanced power management system - power efficient



MPPT

Solar energy Charging
Maximum power point tracking



- Power button
- DC on/off switch
- Wireless on/off switch
- AC on/off switch
- Display screen
- USB on/off switch
- TYPE-C output ports
- USB output ports
- Auxiliary Charge Output

**LED High-brightness
Display Screen**

V-TAC
Meaningful Innovation.

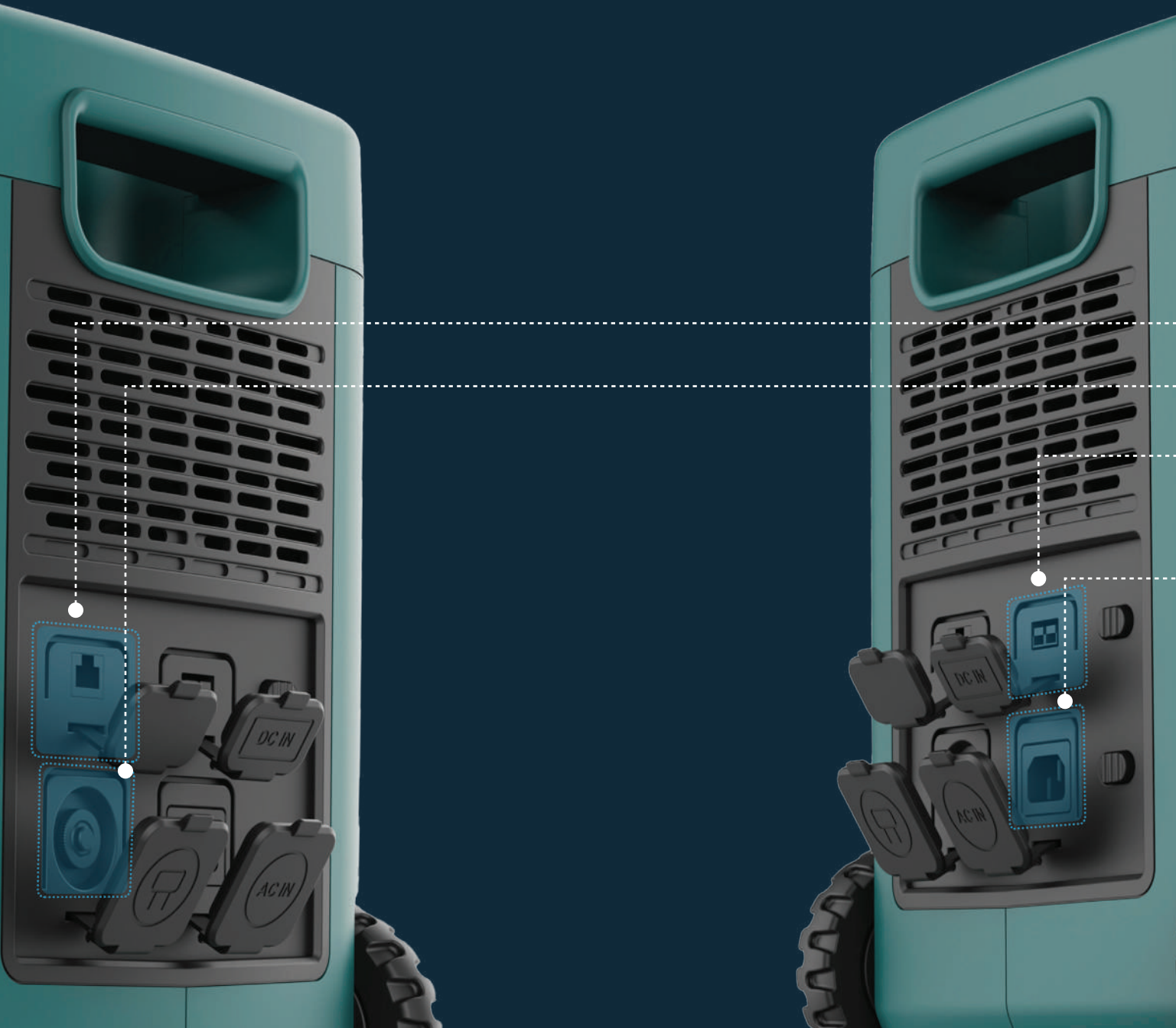


Power a wide range
of appliances with
multiple AC output

● AC Output 230V x 3

V-TAC

Meaningful Innovation.



- WiFi Port
- Fuse
- Solar charge port
- Input: AC Quick Charge

**Power a wide range
of appliances with
multiple DC output**

V-TAC
Meaningful Innovation.



**Wireless
charger**

15W

Power Delivery

V-TAC
Meaningful Innovation.

Trolley-style design

Telescoping handle
to prioritize ease of
movement



V-TAC

Meaningful Innovation.

Travel

Stay powered and connected. Charge your devices anywhere — less time worrying about running low on battery and more time enjoying your trip.



Drone



Camera



Laptop

Home

Say goodbye to the inconvenience of sudden outages — power up your basic home appliances whenever you need them. Also perfect for those working in flexible setups.



Printer



Blender



Mobile



Leisure

New spot for your hobbies? Or just a new space for the family to hang out in? Power up your new space of comfort and fun.



Fan



Electric Grill



Mini Cooler

Professional

Ideal for power tools, workshops, renovations, construction, outdoor house cleaning, and outdoor events.



Drill



Chainsaw



Tools



Bring the power right where you need it. Our portable power stations aim to help you power basic necessities wherever you are — whether it be in mobile homes, camp sites, and more. Each unit features intelligent energy monitoring, short circuit protection, overcharge & overpower protection, anti-overheating, and voltage protection. Made with high quality, long-life lithium batteries that are consistent and reliable.

Choose the option that best suits your needs



300W
SKU 11441



500W
SKU 11442



1000W
SKU 11443



Shenzhen Toby Technology CO., Ltd.

1/F., Building 6, Rundongsheng Industrial Zone, Longzhu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China
Tel:0755-26509301 Fax:0755-26509195 www.tobylab.cn



CERTIFICATE OF CONFORMITY

Certificate No.: TBC-C-202305-0154-1

Applicant : V-TAC EXPORTS LIMITED
Address : Room 301 Kam ON Building 176A, Queen' s Road Central
HongKong
Manufacturer : Dongguan Zhiding Innovation Electronics Co., Ltd.
Address : Floor 5, building 6, Wanjin hi tech Industrial Park, No. 10, Qiaoxi
Second Road, Qiaotou town, Dongguan, China
Product : portable energy storage power station
Brand Name : 
Model(s) : VT-2002

According to the Council Directive 2014/53/EU

Applied Standards and Test Reports:

Article	Standard	Test Report No.
3.1(a) Health	EN IEC 62311:2020	TBR-C-202305-0154-5
3.1(a) Safety	EN IEC 62368-1:2020+A11:2020	TBR-C-202305-0154-2
3.1(b) EMC	ETSI EN 301 489-1 V2.2.3:2019 ETSI EN 301 489-3 V2.3.2:2023	TBR-C-202305-0154-1
3.2 Radio	ETSI EN 303 417 V1.1.1:2017	TBR-C-202305-0154-4

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number.



Shenzhen Toby Technology CO., Ltd.

1/F., Building 6, Rundongsheng Industrial Zone, Longzhu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel:0755-26509301 Fax:0755-26509195 www.toby.com.cn



CERTIFICATE OF CONFORMITY

Certificate No.: TBC-C-202305-0154-1

Technical Description:

Frequency Range : Wireless Charging: 110KHz~205KHz

Max Field Strength : 55.24dBuA/m

The EUT described above has been tested by us with the listed standards according to the Council Directive 2014/53/EU relating to radio equipment, and found in compliance with all essential requirements of the Directive. It is possible to use CE marking to demonstrate the compliance with the Radio Equipment Directive.

Notes

1. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/them being placed on the market.
2. The manufacturer shall take all measures necessary so that the manufacturing process and its monitoring ensure conformity of the manufactured radio equipment with the approved type described in this certificate and with the requirements of Directive 2014/53/EU that apply to it.
3. The CE mark shall be affixed to each item of radio equipment that is in conformity with the type described in this certificate and that satisfies the applicable Directive requirements.




Justin Zhan
(Manager)
May 19, 2023





Shenzhen Toby Laboratories Inc.

Rm.307-309, 311, Bldg.2, Huahan Sci-tech Industrial Park,
No.19 Lanjin 4th Road, Heping Community, Pingshan St.,
Pingshan District, Shenzhen, Guangdong, China
Tel:0755-28681336 www.toby.org.cn



Declaration of Conformity

Certificate No.: TBC-C-202305-0154-2

Applicant Company : V-TAC EXPORTS LIMITED
Company Address : Room 301 Kam ON Building 176A ,Queen's Road Central
HongKong
Sample Name : portable energy storage power supply
Trade Mark : 
Meaningful Innovation.
Basic Model No. : VT-2002
Series Model No. : /
Tested according to : IEC 62321-3-1:2013, IEC 62321-5:2013,
IEC 62321-4:2013+AMD1: 2017 CSV,
IEC 62321-6:2015, IEC 62321-7-1:2015,
IEC 62321-7-2:2017, IEC 62321-8:2017

The submitted products have been tested by us with the listed standards.

This Attestation of Compliance is issued according to the council Directive 2011/65/EU and its amendment directives (EU) 2015/863. It confirms that the listed product complies with all essential requirements of the RoHS Directive and applies only to the sample and its technical documentation submitted to Shenzhen Toby Laboratories Inc. for testing.

After preparation of the necessary technical documentation as well as the EC conformity declaration the required CE marking can be affixed on the product. Other relevant Directives have to be observed. It is only valid in conjunction with the test report number: TBR-C-202305-0154-3.

 RoHS



Manager
May 18, 2023